Metadata Focus Group of the

Geospatial Intelligence Standards Working Group (GWG)

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Geospatial Metadata Drivers

Geospatial Metadata Drivers

DoD MWG (Metadata Working Group)

- Defense Discovery Metadata Specification (DDMS)

IC ISC (Information Steering Committee)

- ICS 2007-500-2, IC Standard for Information Security Marking Metadata
- ICS 2007-500-3, IC Standard for Information Resource Metadata
- ICS 2007-500-4 IC, Standard for Publication Metadata

ISO/TC211 (Technical Committee 211 for Geographics/Geomatics)

- ISO 19101-2 Reference Model for Imagery
- ISO 19115:2003/Cor1:2006 Geospatial Metadata
- ISO 19139 XML Schema Implementation of ISO 19115:2003
- ISO 19115-2 Extensions for Imagery and Gridded Data
- ISO 19130 Imagery Sensor Models for Geopositioning
- ISO 15836 Dublin Core Metadata Set

ISO/IEC JTC1 SC24

- ISO/IEC 12087-5 Basic Image Interchange Format (BIIF) / NITFS

ISO/IEC JTC1 SC29

- ISO/IEC 15444JPEG 2000

Geospatial Metadata Common Core

Common Geospatial Core (Preferred – M,O)

- ISO 19115:2003/Cor1:2006 Geospatial Metadata
- ISO 15836 Dublin Core Metadata Set
- Defense Discovery Metadata Specification (DDMS)
- ICS 2007-500-2, IC Standard for Information Security Marking Metadata
- ICS 2007-500-3, IC Standard for Information Resource Metadata
- ICS 2007-500-4 IC, Standard for Publication Metadata

Vector Extension (VE)

Multinational Geospatial Co-Production Group Technical Group (MGCP TG)

Raster (Imagery) Extension (CE)

NITFS Technical Board (NTB)

Sensor Extension (SE)

Community Model Sensor Working Group (CSMWG)

Services Extension (SVE)

ISO TC 211 Standard

Security IC Extension (SECE)

Intelligence Community

Quality Extension (QE)

ISO TC 211 Standard

Geospatial Mandatory Core (MC) - Provides the Minimum MANDATORY Elements required by the stated reference

Vector Extension – developed using ISO 19115 and the Multinational Geospatial Co-Production Specification

Raster (Imagery) Extension – Initially Coverage will address Imagery and Elevation Data w/ extensions expected in its develop-ment the NITFS Technical Board (NTB) Is the SME for imagery

Sensor Extension – The SME for Sensor Metadata is the Community Model Sensor Working Group (CSMWG)

Services Extension – ISO TC 211 – Geographics

Security Extension – The security markings requirements come from the IC via IISS Information Security Markings

Quality Extensions – ISO TC 211 – Geographics

Geospatial Metadata Contributors and Partners

Geospatial Metadata Harmonization

GWG MFG

Harmonizing Metadata Among:

- Distributed Common Ground System Multi-Service Execution Team Metadata Working Group (DCGS MET MWG)
- DIA MASINT Standards Management & XML CCB
- Digital Geospatial Information Metadata Working Group (DGIWG MWG)
- JITC XML Multi-Function Lab
- Multinational Geospatial Co-Production Group Technical Group (MGCP TG)
- NATO Joint Capability Group for ISR (JCGISR) STANAG Metadata Harmonization (JCGISR MH TST)
- GeoScout
- NGA Enterprise Engineering (EE)
- NGA Image Product Libraries Access Standardization Working Group (IPL ASWG)
- National Reconnaissance Agency (NRO) & NRO IMINT Labs (ILABS)

Contributors

Geospatial Metadata Harmonization

GWG MFG

Harmonizing Metadata Among:

- Advanced Geospatial Intelligence Metadata Profile Working Group (AGI MPWG)
- American National Standards Institute/International Committee for Information Technology Standards – Geographics Committee (ANSI/INCITS L1)
- Central Intelligence Agency (CIA)
- Defense Information Systems Agency (DISA)
- Dept Homeland Security Community of Interest Metadata Working Group (DHS COI MWG)
- Federal Geographic Data Committee (FGDC)
- Geospatial Intelligence Standards Working Group (GWG) and Relevant Focus Groups
- Motion Imagery Standards Board Metadata Working Group (MISB MWG)
- National Imagery Transmission Format Standard Technical Board (NTB)
- National Security Agency (NSA)
- NGA Engineering Data Working Group Metadata Focus Group (EDWG MFG)
- Open Geospatial Consortium (OGC)

Partners

GWG

Metadata Focus Group Activities

- **Domain name space handling**
  - Developing CONOPs for entering XML schemas into DoD MR
- **Common / Recommended Core**
  - Common Geospatial, Security, Quality, Vector, Coverage, Sensor
  - Desk Side Reference Document
- **Image Product Libraries (IPLs)**
  - Assisting NGA implementation of White Paper recommendations
- **Metadata Registries / Crosswalk Management –** Developing White Paper identifying/describing various metadata registries across NSG and their appropriate use
- **Implementation**

International

- NATO Joint Capability Group for ISR (JCGISR) STANAG Metadata Harmonization Technical Support Team (JCGISR MH TST)
- Distributed Common Ground System Multi-Service Execution Team Metadata Working Group (DCGS MET MWG)
- Multinational Geospatial Co-Production Group Technical Group (MGCP TG)
- ISO/TC 211/INCITS Geographic Information
- North American Profile with Canada
- Standards of the Americas with South, Latin and North America

Internal to NGA

- ASDi (I &E) Analytic Spatial Data initiative
- GEOINT Knowledge Base -feature
- Overhead Non-Imaging Infrared (ONIR)
- GeoScout – NAC Section 5 and Appendix E Update
- Audio Gazetteers—Unconventional Sources and New Uses for Place Names
- Analyst Support – Educational support in reference to the of the MGCP by Analyst (NGA and CENTCOM) ODNI – Office of the Director for National Intelligence
- NIAT- NGA Interoperability Action Team
- Universal Core